II. IN THE CLAIMS

Please amend claims 1-6 and add claims 7-17, as shown below.

1. (currently amended) An apparatus for measuring and displaying one or more hemodynamic parameters, comprising:

a. a portable body sized to be handheld;

b. a doppler ultrasound unit mounted in the body;

c. a display mounted in the body, said display being capable of displaying at least one measured hemodynamic parameter;

d. a transducer mounting assembly comprising at least ~~one~~ three ultrasound transducers, wherein the mounting assembly is moveably connected to the body such that the distance between the mounting assembly and the body can be adjusted by a user using only one hand; and

e. a triggering mechanism connected to the doppler ultrasound unit.

2. (currently amended) The apparatus of claim 1, wherein the transducer mounting assembly is curved and ~~comprises an array of ultrasound~~ the transducers are mounted along a curved path.

3. (currently amended) The apparatus of claim ~~2, wherein the array is curved~~ 1, wherein said body comprises at least three rotatable control knobs.

4. (currently amended) The apparatus of claim 3 ~~1~~, wherein ~~the triggering mechanism is capable of actuating the doppler ultrasound unit~~ one of the rotatable knobs is capable of regulating the wave mode of ultrasound energy used by the doppler ultrasound unit.

5. (currently amended) The apparatus of claim 1, wherein the ~~mounting assembly is connected to the body by a wire~~ display is capable of displaying blood flow.

6. (currently amended) The apparatus of claim 1, wherein the ~~triggering mechanism is connected to the transducer by a wire~~ doppler ultrasound unit comprises a system capable of analyzing at least one measured hemodynamic parameter.

7. (new) The apparatus of claim 6, wherein the system is capable of generating an instruction to the user.

8. (new) The apparatus of claim 7, wherein the system is capable of transmitting measured hemodynamic data to a location that is remote from the apparatus.

9. (new) The apparatus of claim 1, further comprising a pistol grip sized and shaped housing connected to said transducer mounting assembly.

10. (new) The apparatus of claim 9, wherein the doppler ultrasound unit is externally coupled to the housing.

11. (new) An apparatus for monitoring, measuring, analyzing and displaying one or more hemodynamic parameters, comprising:

a. a portable body sized to be handheld;

b. a doppler ultrasound unit for monitoring and measuring at least one heamodynamic parameter mounted in the body, said doppler ultrasound unit comprising a system capable of analyzing at least one measured hemodyanamic parameter;

c. a display mounted in the body, said display being capable of displaying at least one measured hemodynamic parameter;

d. a transducer mounting assembly comprising at least two ultrasound transducers, wherein the mounting assembly is moveably connected to the body such that the distance between the mounting assembly and the body can be adjusted by a user using only one hand; and

e. a triggering mechanism connected to the doppler ultrasound unit.

12. (new) The apparatus of claim 11, wherein the system is capable of transmitting measured hemodynamic data to a location that is remote from the apparatus.

13. (new) The apparatus of claim 11, wherein the transducer mounting assembly is curved and the transducers are mounted along a curved path.

14. (new) An apparatus for monitoring, measuring, analyzing and displaying one or more hemodynamic parameters, comprising:

a. a portable body sized to be handheld;

b. an ultrasonography means for monitoring and measuring at least one heamodynamic parameter mounted in said body, said ultrasonography means comprising a means for analyzing at least one measured hemodyanamic parameter;

c. a display mounted in the body, said display being capable of displaying at least one measured hemodynamic parameter;

d. a curved transducer mounting assembly comprising at least two ultrasound transducers, wherein the mounting assembly is moveably connected to the body such that the distance between the mounting assembly and the body can be adjusted by a user using only one hand; and

e. a triggering mechanism connected to ultrasonography means.

15. (new) The apparatus of claim 14, wherein the ultrasonography means is a doppler ultrasound unit and said means for analyzing is an expert system.

16. (new) The apparatus of claim 15, further comprising a pistol grip sized and shaped housing connected to said transducer mounting assembly.

17. (new) The apparatus of claim 16, wherein the doppler ultrasound unit is externally coupled to the housing.